

Appl. No. 09/635,113
 Amendment and/or Response
 Reply to Office action of 11 March 2004

Page 2 of 8

Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A reproducing device ~~(1)~~ for the reproduction of reproduction data ~~(WD)~~ recorded on a magnetic tape ~~(2)~~, having comprising:

transport means (7) for thea transporter that is configured to transport of the magnetic tape ~~(2)~~ with a normal-play speed ~~(V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS})~~, a first trick-play speed ~~(V_{T1})~~ and at least a second trick-play speed ~~(V_{T2} , V_{T3})~~, the normal-play speed ~~(V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS})~~ corresponding to a recording speed during the recording of the reproduction data ~~(WD)~~ on the magnetic tape ~~(2)~~, and having

reproducing means (13) for the reproduction ofa reproducer that is configured to reproduce normal-play reproduction data ~~(NP1, NP2, NP3, NP4, NP5)~~ recorded on the magnetic tape ~~(2)~~ during transport of the magnetic tape ~~(2)~~ with the normal-play speed ~~(V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS})~~, of first trick-play reproduction data ~~(TPD1, TPD6)~~ recorded during transport of the magnetic tape ~~(2)~~ with the first trick-play speed ~~(V_{T1})~~, and of second trick-play reproduction data ~~(TPD2, TPD3, TPD4, TPD5, TPD7)~~ recorded during transport of the magnetic tape ~~(2)~~ with the second trick-play speed ~~(V_{T2} , V_{T3})~~, and

characterized in that

test means (23) have been provided for testinga tester that is configured to determine whether, during transport of the magnetic tape ~~(2)~~ with the first trick-play speed ~~(V_{T1})~~, valid first trick-play reproduction data ~~(TPD1, TPD6)~~ is reproduced, and the test means (23) are adapted to supply control information (SI) to the transport means (7) transporter in the absence of reproduced valid first trick-play reproduction data ~~(TPD1, TPD6)~~ during a test interval ~~(T)~~, in order to cause a transport of the magnetic tape ~~(2)~~ with the second trick-play speed ~~(V_{T2} , V_{T3})~~.

Appl. No. 09/635,113
 Amendment and/or Response
 Reply to Office action of 11 March 2004

Page 3 of 8

2. (Currently amended) A reproducing device-(1) as claimed in claim 1, characterized in that ~~the reproducing means-(13) are adapted wherein~~

the reproducer is configured to reproduce reproduction data-(WD) recorded on the magnetic tape-(2) in accordance with the DVHS standard-(~~D-VHS System Standard, January 1999, MPEG2 STD/HS/LS, Trick Play Format~~).

3. (Currently amended) A reproducing device-(1) as claimed in claim 2, characterized in that wherein

the second trick-play speed-(V_{T3}) corresponds to ~~+/12~~ twelve times the normal-play speed-(V_{NS}) of the standard mode.

4. (Currently amended) A reproducing device-(1) as claimed in claim 2, characterized in that wherein

the normal-play speed-(V_N) corresponds to at least one of: the speed-(V_{NS}) of 16.67 +/-0.5 % mm/s-(~~STD mode~~), the speed-(V_{NLS2}) of 8.33 +/-0.5 % mm/s-(~~LS2 mode~~), the speed-(V_{NLS3}) of 5.55 +/-0.5 % mm/s-(~~LS3 mode~~), the speed-(V_{NLS5}) of 3.33 +/-0.5 % mm/s-(~~LS5 mode~~), the speed-(V_{NLS7}) of 2.38 +/-0.5 % mm/s-(~~LS7 mode~~), or-and the speed-(V_{NHS}) of 33.35 +/-5 % mm/s-(~~HS mode~~).

5. (Currently amended) A reproducing device-(1) as claimed in claim 2, characterized in that ~~the test means-(23) are adapted wherein~~

the tester is configured to check a trick-play speed code-(TPV), which is characteristic of trick-play speeds-(V_{T1} , V_{T2} , V_{T3}), of a trick-play pack which may be contained in the reproduction data-(WD), valid trick-play reproduction data-(~~TPD3, TPD4~~) being reproducible from the magnetic tape-(2) during transport of the magnetic tape-(2) with trick-play speeds-(V_{T2} , V_{T3}) characterized by said code, and the control information-(SI) which can be supplied by the ~~test means-(23)~~ tester characterizes a trick-play speed-(V_{T2} , V_{T3}) characterized by the trick-play speed code-(TPV) as the second trick-play speed-(V_{T2} , V_{T3}).

Appl. No. 09/635,113
 Amendment and/or Response
 Reply to Office action of 11 March 2004

Page 4 of 8

6. (Currently amended) A method ~~(25)~~ of reproducing reproduction data ~~(WD)~~ recorded on a magnetic tape ~~(2)~~, ~~the method (25)~~ including the following steps:

moving the magnetic tape ~~(2)~~ with a normal-play speed ~~(V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS})~~, or a first trick-play speed ~~(V_{T1})~~ and/or a second trick-play speed ~~(V_{T2} , V_{T3})~~, the normal-play speed ~~(V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS})~~ corresponding to a recording speed during the recording of the reproduction data ~~(WD)~~ on the magnetic tape ~~(2)~~,

reproducing normal-play reproduction data ~~(NP1, NP2, NP3, NP4, NP5)~~ recorded on the magnetic tape ~~(2)~~ during transport of the magnetic tape ~~(2)~~ with the normal-play speed ~~(V_{NS} , V_{NLS2} , V_{NLS3} , V_{NLS5} , V_{NLS7} , V_{NHS})~~, and

reproducing, during transport of the magnetic tape ~~(2)~~ with the first trick-play speed ~~(V_{T1})~~, first trick-play reproduction data ~~(TPD1, TPD6)~~ recorded on the magnetic tape ~~(2)~~, and

reproducing, during transport of the magnetic tape ~~(2)~~ with the second trick-play speed ~~(V_{T2} , V_{T3})~~, second trick-play reproduction data ~~(TPD2, TPD3, TPD4, TPD5, TPD7)~~ recorded on the magnetic tape ~~(2)~~, and
 characterized in that it is tested ~~(27, 31, 33)~~

testing whether, during transport of the magnetic tape ~~(2)~~ with the first trick-play speed ~~(V_{T1})~~, valid first trick-play reproduction data ~~(TPD1, TPD6)~~ is reproduced, and in the absence of reproduced valid first trick-play reproduction data ~~(TPD1, TPD6)~~ during a test interval ~~(T)~~, the magnetic tape ~~(2)~~ is subsequently moved with the second trick-play speed ~~(V_{T2} , V_{T3})~~.

Appl. No. 09/635,113
Amendment and/or Response
Reply to Office action of 11 March 2004

Page 5 of 8

7. (Currently amended) A method ~~(25)~~ as claimed in claim 6, ~~characterized in that it is tested wherein~~

the testing determines whether a trick-play speed code (~~TPV~~), which is characteristic of trick-play speeds (~~V_{T2} , V_{T3}~~), is contained in a trick-play pack in the reproduction data (~~WD~~), valid trick-play reproduction data (~~TPD3, TPD4~~) being reproducible from the magnetic tape ~~(2)~~ during transport of the magnetic tape ~~(2)~~ with trick-play speeds (~~V_{T2} , V_{T3}~~) characterized by said code, and in the absence of reproduced valid first trick-play reproduction data (~~TPD1, TPD6~~) during a test interval (~~T~~) the magnetic tape ~~(2)~~ is subsequently moved with a trick-play speed (~~V_{T2} , V_{T3}~~) characterized by the trick-play speed code (~~TPV~~) as the second trick-play speed (~~V_{T2} , V_{T3}~~).

8. (Currently amended) A method ~~(25)~~ as claimed in claim 6, ~~characterized in that wherein~~, in the absence of reproduced valid second trick-play reproduction data (~~TPD2, TPD3, TPD4, TPD5, TPD7~~) during a test interval (~~T~~), stored OSD image data (~~PD~~) is supplied, which data may include index data (~~ID~~) contained in reproduction data (~~WD~~) reproduced from subcode reproduction areas.

9. (New) An apparatus comprising:

a playback device that is configured to selectively render recorded information from a media at a first playback speed, a second playback speed, and a third playback speed, the first playback speed corresponding to a nominal recording speed of the recorded information on the media, and

a controller that is configured to adjust the playback device from the second playback speed to the third playback speed, based upon whether valid reproduction information is rendered from the media at the second playback speed.

10. (New) The apparatus of claim 9, wherein

the media includes a magnetic tape that is recorded in accordance with the DVHS standard.

Appl. No. 09/635,113
Amendment and/or Response
Reply to Office action of 11 March 2004

Page 6 of 8

11. (New) The apparatus of claim 10, wherein
the third playback speed corresponds to twelve times the first playback speed.

B 1
12. (New) The apparatus of claim 9, wherein
the nominal recording speed corresponds to at least one of: 16.67 mm/s, 8.33
mm/s, 5.55 mm/s, 3.33 mm/s, 2.38 mm/s, and 33.35 mm/s.

13. (New) The apparatus of claim 9, wherein
the controller determines whether valid reproduction information is rendered at
the second playback speed based on detection of a speed code being reproduced at
the second playback speed.
